

From owner-qrp-1@netcom.com Mon Jan 23 16:34:49 1995
Date: Mon, 23 Jan 95 10:01:25 -0600
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <9501231601.AA07817@chuck.dallas.sgi.com>
Subject: 40M

Haven't seen anyone comment, and maybe I'm the only one up at late hours. After getting back from /6 land on Friday, I had the receiver (OHR Explorer) on from time to time checking out 40M. The last two nights have shown great propagation from the east as I heard some KH6's in HI at 599 and last night the JA-JRs were coming in. None worked as 1W against all the KWs was a losing battle, but maybe soon.

All this around 0600Z in TX.

Chuck Adams K5FO CP-60 adams@sgi.com

From owner-qrp-1@netcom.com Mon Jan 23 12:34:36 1995
Date: Mon, 23 Jan 1995 08:12:22 -0500
From: Brad Mitchell <bmitchel@CBA.Kodak.COM>
Subject: <didn't bother with a subject>
Message-Id: <199501231312.AA10806@hobby1.cba.kodak.com>

I sent this to Doug Hendricks, for the QRPP, but never got a reply, so I hope someone will find this of some use here. I'm not on the list server anymore.. no time!! 73 Brad WB8YGG

A Ten Tec experience by Brad Mitchell WB8YGG 6/94. Feel Free to republish, email ftp etc. as long as everything is intact and not modified.

I really never know what inspires me, but things sometimes just happen. I got a phone call, and a friend on the other end of the line said that he had bought a TEN TEC Power Mite 3A QRP CW transceiver to close a deal for some sort of bag pipe practice instrument, and the deal fell through. Well he had paid \$100.00 for the rig, and he was wondering what he could get for it if he just sold it. I offered to post on internet, as I did, and find out. At the same time, I was curious, because he kept telling me how good of condition this rig was in.. I've heard that before. Well, the story goes that he ended up bringing the rig over that night, and as he did my eyes got wider and wider... It looked like he had just

bought the rig, it was still in the box with the plastic around it and all! That's when it bit me, and by the end of the evening we had made a swap that made me very happy and him as well.

Now being curious as I am, I wanted to know more about the rig! I figured it was old, but how old. It looked like it was made yesterday, but I knew they were around for a long time because every one I had seen before looked like it was in bad shape from age, and neglect.

I posted to internet, packet, and communicated with TEN TEC direct, and here's what I found out:

First The PM3A was one of a series of Power Mites starting with the PM1, but just prior to that the circuit boards for the PM series were sold as assembled modules, 4 in all to make what was called the MR1 Transceiver. SO that's where the story starts..

Somewhere around 1969 the MR1 modules were introduced. Popular Electronics, from January, 1969 has the first entry of advertisement that TEN TEC knows about anyway. These Modules (4 in all) were what comprised a complete 80 and 40 meter band transceiver. They were sold specifically to mount on a breadboard, of which their ads say a 10" x 8" x 1" board would be sufficient. It must not have been very long after the introduction of the MR series that TEN TEC introduced the PM1, PM2, PM3, and PM3A.

April, 1970 QST shows these rigs in a common add. The PM1 and PM2 are basically the same rig, with the PM-1 being less case, advertised for \$49.95 in 1970, and the PM2 for \$59.95.

The PM1, and PM2, as well as the MR1 were for 40 and 80 meters, and offered cw transceive with approximately 2 watts input.

One of my schematics references the PM2A that appears to have a sidetone circuit where the PM2 does not. I could not find reference to the PM2A advertised price.

The PM3 and PM3A were for the 40 and 20 meter bands, and offered 5 watts input power. The PM3 in 1970 was advertised for \$69.95 while the PM3A was advertised for \$79.95. The main difference between the 3, and the 3A being a built in T/R switch in the 3A, who knows maybe the start of a trend.

Receiver for the PM series were all direct conversion with 40604 dual gate mosfets for the D.C. mixer, protected from RF from the transmitter by back to back diodes, followed immediately by a 2KHz audio filter. A pretty basic receiver, but "One of the hottest receivers of simple design that one can find" according to a 1970 QST review of the PM2.

The cases for the PM series were the traditional Ten Tec case with the metal top and bottoms, and simulated wood grain on the ends. The scale was the traditional pointer dial on the front panel. This was relatively un protected from the elements, and I'm surprised to see these with the pointer in tack at all. The phone output is 2000 ohms pin jack, and is a sign of the age of this equipment.

According to Ten Tec the MR1 and PM series are Tec Tec's FIRST radios that they produced, Followed immediately by the Argonaut 505 which pretty much ended the PM series. My opinion of the rig is that because it is the first rig that Ten Tec Produced, and Ten Tec being an American company, that these rigs are very collectible. It's not quite as small as the HW series, but the PM3A is my first commercial QRP transceiver, and it looks nice in the shack!

Operation of my PM3A has been great. I have to use a lower antenna than my large dipole if I do not want too much AM detection, but I have had many successful contacts with the rig since I acquired it. The 20 meter reception seems that it could use a pre-amp, but other than that, the rig performs quite nicely.

Below I have listed the MR series of modules that Ten Tec advertised in 1969. Sure wish I could get something for these prices today.

=====

All 4 MR1 Modules , (Basic Tuning dial, instructions for bread boarding and interconnecting, Modules wired , \$29.95

MX1 Syncrodyne Detector-converter uses dual gate MOSFET for high performance. Selectivity 1kHz. \$7.95

AA1 IC audio amplifier 100 dB gain. Response shaped 200-2500Hz. Drives High Impedance headphones. \$7.95

V01 40-80 meter oscillator-buffer. 2 volts output. Designed for use with MX1 or TX1. \$7.95

TX1 Crystal oscillator and power amplifier for 40-80 meters. Requires 12 VDC, 250ma supply. Torroidal Coils. \$7.95

Accessories:

AC1 Convenience Kit for MR1. Amplifier, current meter, antenna switch, knob and connector. \$7.95

AC2 Oscillator Monitor or sidetone. 8 ohm output. For speaker or phones. 6VDC @ 50ma \$5.95

AC3 Converts 21 MHz band to 3.5 MHz. Free running injection oscillator. Dual gate MOSFET. 12 VDC @ 8 m.a. \$8.95

AC4 Low Power SWR meter. Usable from 1/2 to 250 watts. \$14.95

AC5 Low Power Antenna Tuner. Matches random length twin lead or open line fed antennas.

=====

I guess it goes without saying that a complete vintage PM station would not be complete without the KR-1 Keyer, the the AC4 swr meter, and the AC5 antenna tuner. I guess I'll keep my eyes open come next hamfest. I Wish to thank everyone on internet who helped with information, Paul Clinton at Ten Tec, and Anthony Luscre KA8NRC for all the information that I received to put things in perspective.

73 Brad WB8YGG

References:

MR-1 Product Release
Advertisement April, 1970 QST
PM2 Product Release
PM3 Product Release
PM2 Recent Equipment , June, 1970 (W1CER)
PM2/2A Manual
PM2/2A schematic
PM3/3A schematic
PM3/3A Manual
Advertisement Sept, 1970 CQ magazine

From owner-qrp-1@netcom.com Mon Jan 23 23:06:11 1995
Date: Mon, 23 Jan 1995 16:30:09 -0800
Message-Id: <199501240030.QAA12954@ix3.ix.netcom.com>
From: mjsilva@ix.netcom.com (michael silva)
Subject: Address for those MOSFETs

Oops....the phone number for MCM Electronics is 800-543-4330 or 513-434-0031. Fax is 513-434-6959. I haven't dealt with them myself, so I don't know how they are.

Mike, KK6GM

From owner-qrp-1@netcom.com Tue Jan 24 00:40:06 1995
From: CQC@aol.com
Date: Mon, 23 Jan 1995 18:38:00 -0500
Message-Id: <950123183759_4047268@aol.com>
Subject: Another one down the dumper!

Sorry to hear of another QRP supplier down the drain. Tejas dropped ham gear and this may not be news, but it is the first I have heard about Townsend Electronics going out of business. Here are a few words from Jim Townsend, "We consider it another nail in the coffin of Amateur Radio. The high costs of advertising in magazines combined with the lack of building expertise of the average ham, has made it impossible for us to continue. The demand for amateur radio products which have to be made by the amateur or used as parts in radios, just is not there in enough quantity to keep a viable business afloat in the sea of commercially available equipment.It is fortunate that the QRP clubs are keeping alive the ham spirit and encouraging building and experimentation."

Nuff sed!

72, Rich WOHEP
Colorado QRP Club
"Life's too short for \$800 finals"

From owner-qrp-1@netcom.com Mon Jan 23 21:41:45 1995
Date: Mon, 23 Jan 1995 16:20:18 -0800
Message-Id: <199501240020.QAA12274@ix3.ix.netcom.com>
From: mjsilva@ix.netcom.com (michael silva)
Subject: Another source of cheap MOSFETS (?)

There was a thread a while back about sources for dual-gate MOSFETs, and I may have found a source at a good price. I was looking through last year's MCM Electronics catalog and I found MFE-201s for \$1.21 (0.91 for 10), and MFE-211s for \$1.42 (1.06 for 10). My old Motorola book doesn't have these, but it has MPF-201 and -211s. Anyway, if these are useful 40673 kinda-likes (can somebody confirm this?) the price is great.

Mike, KK6GM

From owner-qrp-1@netcom.com Mon Jan 23 20:49:31 1995
Message-Id: <9501232157.AA25980@esds01.es.dupont.com>
Date: Mon, 23 Jan 95 16:57:46 EST
From: "Stephen M. Shearer, 695-7719" <shearer@eplram.dnet.dupont.com>
Subject: Re: CMOS Super Keyer II -- battery/regulator

> Hi Stephen!
>
> I built the CMOS Superkeyer about a year ago and have been really
> happy with it.
>
> When I built it I added a very low current 5-volt regulator made by

> Maxim and used an alkaline 9V battery. It has been running for over
> a year now. I used the 9V battery because it is smaller than the
> three AA cells.
>
> I don't believe a nicad is necessary, as the current drain is very
> low....so low in fact, that a power switch is not needed!
>
> For a speaker, I used a small surplus speaker used in laptop
> computers. Unfortunately, the type of speaker I am using does not
> have much volume. I also have a earphone jack so I usually connect
> up a larger external speaker to the jack.
>
> Have fun!
>
> 73s..... :-)
> Charles
> WB4OWL
>
>Charles Furnweger NEC Electronics, Inc. Mountain View, CA
>Voice: 415 965-6433 charles@asic.mtv.nec.com FAX: 415 965-6374

Charles,

I like the idea of the MAXIM regulator, but I wasn't quite sure where to find one, (han't had the time to "hunt") until I got my latest copy of EE Product News(tm) and MAXIM has a full page add... They have a new(?) one just for 9v (5.5 to 11.5v) to 3, 3.3 or 5volt useage. Number MAX639, MAX640 and MAX653. I am not sure which number goes with which voltage. (what regulator did you use???) For other readers, Digi-Key carries the chip (8 pin dip or surface mount). I need to find a current copy of the catalog to see how much \$\$\$'s (it may be new enough not to show in the catalog). Anyway, I sent a FAX (408-737-7194) to MAXIM for information and their "power supply design guide". BTW, also from EE Product News, Micro Linear Corp. has a dc-dc converter that will convert 1v to 3, 3.3, or 5v. So, if you want to run on a single AA battery....

Since the keyer can operate at 3 to 5.5 volts, does anyone have any reason why I shouldn't run at the lower voltage (to get the most out of the 9v battery) MAXIM info says it will "squeeze the last drop of energy from a 9v battery", squeezein to 3.3v sounds better then 5.0??? I was going to use a 4.5v battery (about the same size as the 9v) a #523

at ~\$5.00.

I like the 9v/reg better as the regulator also has a low battery output, maybe I can drive a led on the front panel?

I have found time to put the keyer together, now it's make it fit into the small case I found. I plan on making my own switch(s) for the push buttons as I want lever switchs in the front panel along with the mini speed pot. I found small lever switches, but they will tip over the case when "pushed"... Digi-Key also has small speakers, I'll try before I drill mounting holes... I may also "play" with driving an led to "see" the function response(s) for the switches and a earphone/speaker jack to bypass the led. (anyone have thoughts???) My case is (outside) 3.918 x 0.972 x 1.77deep... inside I only have 3.213 wide by 0.827 high... not a lot of space (note I am working in 0.001 of an inch - overkill, as 0.01 would do...)

73, Steve WB3LGC

From owner-qrp-1@netcom.com Tue Jan 24 00:08:40 1995
Date: Mon, 23 Jan 95 18:19:35 -0600
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <9501240019.AA09969@chuck.dallas.sgi.com>
Subject: CW Fox - 6 to go

January 23, 1995

FOX SCHEDULE - CW

WARNING: Times and dates are in UTC, so for 0000Z, it's the day before here in the USofA.

name of fox	call	email address	QTH
Chuck Adams	K5FO	adams@sgi.com	Dallas, TX
Bob Easton	N2IPY	bobea@watson.ibm.com	Sloatsburg, NY
Craig LaBarge	WB3GCK	74740.3166@CompuServe.com	Phoenixville, PA
Mark Cronenwett	KA7ULD	ka7uld@ix.netcom.com	San Jose, CA
Pete Rossi	WA3NNA	rossi@vfl.paramax.com	Newton Square, PA
Bob Cutter	KI0G	bcutter@csn.org	Glenwood Springs, CO
Dave Adams	N9UXU	dave@flowserver.stem.com	Indianapolis, IN

Ron Stark	KU7Y	mswmod@nimbus.sage.unr.edu	Sun Valley, NV
Stan Goldstein	N6ULU	stan@cruzio.com	Watsonville, CA
Clay Wynn	N4AOX	wyn@ornl.gov	Alcoa, TN
Ted Albert	KF8EE	teda@meaddata.com	Loveland, OH

Week of:	FOX	Date	Time(UCT)	Freq
Jan 22nd	KF8EE	Jan 26	0200-0400Z	7.110 (30min) - 7.040
Jan 29th	KI0G	Jan 31	7.110 0200-0300Z	7.040 0300-0330Z.
Feb 5th	KA7ULD	Feb 7	0400-0600Z	7.040-7.150
Feb 12th	WA3NNA			
Feb 19th	KU7Y	Feb 21	0300-0500Z	7.110-7.115 (1st hr) 7.035-045 (2nd)
Feb 26th	N9UXU	Mar 4	0300-0500Z	7.110-7.120 (both hrs)

Chuck Adams K5FO CP-60 adams@sgi.com

From owner-qrp-l@netcom.com Mon Jan 23 16:02:33 1995
 From: washpenn!swider@vax.cs.pitt.edu
 Date: Mon, 23 Jan 95 10:00:20 -0500
 Message-Id: <9501231500.AA18734@vax.cs.pitt.edu>
 Subject: Freq Counter for Digital Display

A friend just gave me a Heath IB-101 frequency counter. Is it possible to attach it to my Century 21 to provide a digital display? I'm new to homebrewing, so please forgive me if this is a stupid question.

I'm also looking for a copy of the manual or at least someone to explain the unit operation to me. I know this is a simple unit, but I can't determine if it's sick or I'm not using it correctly.

Thanks from a homebrew novice.
 Rob - KB3BFM
 washpenn!swider@uunet.uu.net

From owner-qrp-l@netcom.com Mon Jan 23 21:35:34 1995
 From: "Tim Stabler" <TSTABLER@iunhaw1.iun.indiana.edu>
 Date: Mon, 23 Jan 1995 09:09:15 CST
 Subject: Hambrew
 Message-Id: <1CA5E820203@iunhaw1.iun.indiana.edu>

Every once in a while I get an email about subscribing to Hambrew. I just saw their new ad in 73 magazine and thought I would pass everything on again only now with the new rates.

The new rates are \$10/year for U.S.; \$15/year for Mexico and Canada and \$21/year for international.

The phone number is (800)5-HAM-RIG.

The address is: P.O. Box 260083, Lakewood, CO 80226

72 & 73 de Tim WB9NLZ

From owner-qrp-1@netcom.com Mon Jan 23 12:44:51 1995
Subject: RE: Hamcalc
From: jgrubs@voxbox.norden1.com (Jim Grubs, W8GRT)
Message-Id: <T4uDZc2w165w@voxbox.norden1.com>
Date: Mon, 23 Jan 95 08:24:40 EST

-----BEGIN PGP SIGNED MESSAGE-----

Adrian Weiss W0RSP English Department <AWEISS@charlie.usd.edu> writes:

> Incidentally, my thanks to whoever informed us all of
> this suite of programs! And especially to VE3ERP whom we
> should somehow recognize.
>
> 73, Ade W0RSP

How 'bout some sort of award at Dayton?

-----BEGIN PGP SIGNATURE-----

Version: 2.6.2

iQCVAwUBLy0uYN74r4kaz3mVAQFHwAP9FjzSzFudsZCdr4aN45BTHg7mvtZ3Mp0b
SxXi0wMbkGqNT3K7gmSi7NfxD12vNGwAcTsSsy9JJNDQcq8zACRYQ+JG/nZoGsUb
C63g0ggeg0gc1IFUWZJuUPdtkpDgjb+D01tbK21bACrRTkZv3trb2WB8ix8nff+e
rcf9gqFbYro=
=laMy

-----END PGP SIGNATURE-----

From owner-qrp-1@netcom.com Mon Jan 23 13:34:58 1995
Subject: Hamcalc
From: jgrubs@voxbox.norden1.com (Jim Grubs, W8GRT)
Message-Id: <TwuDZc1w165w@voxbox.norden1.com>
Date: Mon, 23 Jan 95 08:20:28 EST

-----BEGIN PGP SIGNED MESSAGE-----

GFriedla@griprod2.gri.org writes:

> I am having trouble running Hamcalc9 on my pc. I keep getting "error 76 in
> line 420." I can run each individual program if I load them in basic

> separately.
>
> I think the problem may relate to a required subdirectory organization. But
> those I've tried have failed.
>
> Has someone been successful in getting this program to run correctly? Can
> you tell me your secret? Thank you.
>
> 73, WD9HDM
> Gary Friedlander (gfriedla@gri.org)

I have modified these programs to run out of the \HAMCALC subdirectory.
Anyone who wants it, let me know.

-----BEGIN PGP SIGNATURE-----

Version: 2.6.2

iQCVAwUBLy0tw974r4kaz3mVAQGGxQP8C/qnSg/a0AdQScgCcHRtZ7bpn3IbMlwR
hzuSnmE4bUqgUiYPju9wluBQBRQVBZGun950CfRZusIxPySe38wjzUezyow6y8tI
6809G5TqmziN7g0U0zxA+yw5U+5LVRLDX1IhgipD4hfSEQ4onm9hewMnXZaLd9jN
TscYtKKfELo=
=PMKv

-----END PGP SIGNATURE-----

From owner-qrp-1@netcom.com Mon Jan 23 01:43:31 1995
Subject: HAMCALC9.ZIP
From: jgrubs@voxbox.norden1.com (Jim Grubs, W8GRT)
Message-Id: <Pa1cZc1w165w@voxbox.norden1.com>
Date: Sun, 22 Jan 95 21:19:12 EST

-----BEGIN PGP SIGNED MESSAGE-----

Some have expressed interest in having the VE3ERP HAMCALC9 programs unpack
with PKUNZIP -D and still be located in and work from elsewhere than the root
directory. I have reworked the files so the work off \HAMCALC. If I missed a
program, please let me know.

I didn't change anything else. It's too good the way it is.

I called the revised zip HAMCALC0.ZIP.

-----BEGIN PGP SIGNATURE-----

Version: 2.6.2

iQCVAwUBLyMSS974r4kaz3mVAQG6MAP/WyJQ1CIRjwHpSrNbsuFlPYdQKgKdFJF7
h/Md/RLyZrHKh0FuKNkigR0iMnyiWfJmGv75FDhTBGHSgTnf03xk81Zya1NCLP6V

kgQr/ch/ZOBEWq4QyJWmnQqPg3DaNkFrbClemFYKqC55YnEGGoWi8cCimYCbBqGx
zXE3iZV6nhk=
=0lCn
-----END PGP SIGNATURE-----

From owner-qrp-l@netcom.com Mon Jan 23 23:27:37 1995
Date: Mon, 23 Jan 1995 16:14:20 -0800 (PST)
From: Alan Kaul <kaul@netcom.com>
Subject: Hamcalc9.zip
Message-Id: <Pine.3.89.9501231636.A9491-0100000@netcom2>

Hi, all. Apologies for being a bit of a dunderhead on this one. I did not pay a lot of attention to the postings on Hamcalc9 until I decided to download it myself. And now that I have, I can't get it to unzip! I vaguely recall the discussions about root directories or on 1.44 floppies. The error messages I get are : 'I don't know how to unzip xxxxx.bas.'
What do I need to unzip it beside pkunzip??

[<Alan Kaul, W6RCL>] kaul@netcom.com

From owner-qrp-l@netcom.com Mon Jan 23 01:32:27 1995
From: ab4el@cybernetics.net (Stephen Modena)
Message-Id: <9501230140.AA03652@cybernetics.net>
Subject: mail-server: error report...Oh Boy!!!
Date: Sun, 22 Jan 1995 20:40:56 -0500 (EST)

Brian Carling has a complaint:

>
> >From: brian.carling@acenet.com
>
> Here is what resulted from following the instructions of an ARRL
> employee who gave instructions on how to get a list of addresses
> at ARRL for E-mails:
>
> This message was from MAIL-SERVER@RTFM.MIT.EDU to BRIAN CARLING,
> and was forwarded to you by BRIAN CARLING.
> -----
> Message-ID: <199501201253.HAA18534@bloom-picayune.MIT.EDU>
>
> -----cut here-----
> Errors were encountered by the mail server while parsing your message to it.
>

Of course, he believe that the computer program at the other end

is at fault!

```
> ...  
> + index  
> X ---  
> X ~ SLMR 2.1a ~ You ARE what you think about all day long!  
>  
>  
> I never put all those -es and Xes in there!  
> STRANGE! 73 to all - AF4K  
> brian.carling@acenet.com
```

What is strange to *me* is that Brian has yet to notice how *often* his postings to QRP-L involve *bad* form...spurious misfirings.... and just plain hard-to-read quoting because he insists on using a maveric mail-reader....

for example, in the *same* batch of mail to QRP-L as his complaint about ARRL, this came through (in part):

```
>From: brian.carling@acenet.com
```

```
BC>MDS>PT>HMMMMM... multiply the point score by the number of bands, the number  
BC>of  
BC>MDS>mod
```

```
BC>MDS>PT>worked within the band and the number of stations operated from? That  
BC>co  
BC>MDS>PT>a fun contest! Maybe separate awards for stations that had the most  
BC>MDS>guest PT>operators to encourage the doors to open? Given the  
BC>MDS>honorableness of PT>Elmering, PT>I think I'd be proud to have a  
BC>MDS>certificate in my shack that said I had the PT>most guest operators in  
BC>MDS>my section for a "New Operator's Roundup."
```

```
BC>MDS>PT>What do you think? New-Op Roundup? One weekend? (I think one of the  
BC>bigg  
BC>MDS>PT>things going against the Novice Roundup is the length.) Participation
```

Did you all get anything out of that? Did you notice that up to *three* levels of quoting were going on? Could your eye *easily* follow what the threads were? Did you like the way the UpperCase Initials were used? And if you look at the full message from your mailbox, did you notice that there was *no new* verbiage in the message...only quoting?

Remember, Brian is complaining *innocently* that he followed instructions in his interaction with the ARRL info-server....I use it all of the

time and I can bear witness that *all* errors have originated on *my* side of the equation!

The real problem, Brian, is that the ARRL info-server may have barfed on *irregularities* that *routinely* originate from your node. I had trouble with your node when you were a subscriber on my private digest... and I see that that element of trouble *continues* in the electronic *style* of your postings.

After all, Brian, the ARRL info-server is only a dumb piece of software that can't *think*. :^)

--

73/Steve/AB4EL ab4el@Cybernetics.NET in Raleigh, NC 35.81245N, 78.65849W

From owner-qrp-1@netcom.com Mon Jan 23 16:53:16 1995
Message-Id: <9501231804.AA23034@interval.interval.com>
Date: Mon, 23 Jan 1995 10:06:10 -0800
From: burdick@interval.com (Wayne Burdick)
Subject: Re: need help, Sierra 40m module (fwd)

> I have a problem with the 40m band module for my NorCal Sierra,
> and was hoping the list might be able to point me in the right direction.

Paul,

My guess is that your measurements are consistent with a non-connected toroid lead: one of the stages may be loading down the other because it's not resonant.

I'd be surprised if it's something else, partly because every single Sierra I've personally fixed had nothing but munged toroid leads! I'm revising the toroid winding instructions in self-defense :)

If you have to replace caps, start with the coupling cap between resonant sections. Much less likely that anything is wrong with the trimmers.

Good luck, and let me know what you find.

Wayne

From owner-qrp-1@netcom.com Mon Jan 23 23:32:18 1995
Date: Mon, 23 Jan 95 15:20:28 -0600
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <9501232120.AA09748@chuck.dallas.sgi.com>
Subject: NorCal Curtis Deal

Got my NorCal keyer kit in the mail today. Consists of the Curtis 8044ABM chip and the FAR Circuits board, both for \$17 from Jim Cates. A very good deal, since the chip alone before shipping and taxes is \$19.95.

The board is single sided with silk screen on component side. No caps or misc parts.

I have the 8044ABM application notes from John G. Curtis, Pres and founder and it makes for interesting reading.

For those who may be getting this board, have it, or whatever let me make two comments and these are just comments and not to be construed as criticism by anyone. The board from NorCal is a good deal.

1. The NorCal board and the one page accompanying it show that you can connect +5 to +12VDC to the board and have it operate. That is correct. If you have a power supply that goes to 13.8V I would add a 78L05 with 220 ohm resistor in series input to it. The lifetime of the 8044ABM will be greatly increased. You could take out the chip over a period of time with this high a voltage applied to it, CMOS or not. My \$0.02 opinion here. I will add the 5V regulator.
2. The keyed output line, pin 18, drives a 2N4401 to switch the transmitter. When you first turn on/power on the keyer, as the NorCal board is setup, you will key the transmitter for a short element. There is a FET, resistor, and cap addition that will prevent this from happening. I checked the ARRL 1992 handbook and this is also missing there, but that is with the 8044 chip, not the 8044ABM.

Just remember without the anti-turn on circuit (the FET BS170 or whatever, 10M and .22uF cap) you will key the transmitter if you turn the transmitter on first and then the keyer.

There is no weighting circuit, but I've never used it anyway. At any speed, 1:1:3 is the weight ratio for dit:space:dah, and with solid state QSK in QRP rigs I've never seen it need adjustment.

Before I plug in the iron, I have to make the decision to socket or not to socket, and I most likely will not put in a socket. I just might go ahead and put this little puppy with 9V battery inside the brand new Vibroplex Blue Racer Paddle. Yes, that's the ticket.....

The board size is 1.75 inches by 2.00 inches, so it should fit in just about any little rig with room to spare. With a 9V battery, you won't need the 5V regulator.

Thanks to Jim Cates for doing this.

de NC #40 dit dit

Chuck Adams K5FO CP-60 adams@sgi.com

From owner-qrp-1@netcom.com Mon Jan 23 16:34:16 1995
From: PB13128@deere.com
Message-Id: <DACDXX21.PB13128.144834130095023FDACDXX21@TCP30.DX.DEERE.COM>
Date: 23 Jan 1995 13:34:13 GMT
Subject: NOTE 01/23/95 13:34:47

>From: Peter Beedlow
pb13128@deere.com

Subject: Address

Does anyone have the address for the DX reflector? Please reply to me directly to keep the traffic down on this system.

Thanks

From owner-qrp-l@netcom.com Mon Jan 23 22:04:00 1995
Message-Id: <199501231609.KAA08974@ns1.arlut.utexas.edu>
Date: 23 Jan 1995 10:06:40 U
From: "rohre" <rohre@msmailgw1.arlut.utexas.edu>
Subject: RE: OHR WM-1

If fuses were ideal circuit interrupters, then putting the diode either way would be OK. But---fuses take a finite time to blow; and in this circuit the designer said it would operate all the way to 9V and using 12 V you did not need to regulate down, so I would put a diode rated to carry the full normal current in series with the external battery input say on the plus line, with the cathode away from the battery, so you can get only current from a proper polarity external battery. For the CB transceivers, you used to see a 1N400x where x was one of several, like the 1N4007, 1 amp power rectifier diodes used as protection devices. You want the thing to be able to block the wrong polarity voltage, and not have much leakage, so many silicon power diodes would work in the series method. They will drop a little voltage, about 0.6 volts DC in the normal correct polarity direction, but since you were told the circuit works from 9-12 Volts, this is not a concern. Because many silicon rectifiers work pretty well at RF, I think I would put an RF bypass cap on the cathode to ground, but this may already exist in the circuit. I am not familiar with the specific schematic and am trying to speak geneerically here. 73,
Stuart K5KVH
rohre@arlut.utexas.edu

To: QRP Group
>From: Michael Marmor on Sat, Jan 21, 1995 2:36
Subject: OHR WM-1
RFC Header:Received: by msmailgw1.arlut.utexas.edu with SMTP;21 Jan 1995 02:36:41 U
Received: from mail.netcom.com (root@mail.netcom.com [192.100.81.99]) by ns1.arlut.utexas.edu (8.6.9/8.6.9) with ESMTP id CAA20426 for <rohre@arlut.utexas.edu>; Sat, 21 Jan 1995 02:36:09 -0600
Received: by mail.netcom.com (8.6.9/Netcom) id TAA23603; Fri, 20 Jan 1995 19:55:48 -0800
Received: from pluto.njcc.com by mail.netcom.com (8.6.9/Netcom) id TAA23417; Fri, 20 Jan 1995 19:54:29 -0800
Received: (from mmarmor@localhost) by pluto.njcc.com (8.6.9/8.6.6) id WAA26025; Fri, 20 Jan 1995 22:55:04 -0500
Date: Fri, 20 Jan 1995 22:55:04 -0500 (EST)
>From: Michael Marmor <mmarmor@pluto.njcc.com>
To: QRP Group <qrp-l@netcom.com>
Subject: OHR WM-1

Message-ID: <Pine.BSI.3.91.950120225413.26012A-100000@pluto.njcc.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII
Sender: owner-qrp-1@netcom.com
Precedence: list

My WM-1 meter kit arrived a few days ago from OHR. I talked to Dick on the phone for a few minutes. I asked him how the meter would work on 12V (it is normally run off a 9V battery) and was told that it would work fine. Dick suggested that I install a switch that would let me switch between the 9V battery and an external jack for 12V. Apparently the meter does not need to be aligned differently for use at 9V or 12V and switching between them does not effect alignment. He also told me that future versions of the WM-1 might include the external jack and switch. I was planning on using an LM317 to provide 9V to the meter from my 13.8V supply, but was told this was unnecessary.

I would like to use a diode to protect the meter if the 12V polarity is reversed. How should I connect the diode and what type should I use? (Is it better to use the diode to shunt the current to ground and blow the fuse -- or use the diode to block the voltage going in the wrong direction?)

The weekend is here!! Time to start building!

Michael, AA2UJ
mmarmor@pluto.njcc.com

From owner-qrp-1@netcom.com Mon Jan 23 21:06:47 1995
Date: Mon, 23 Jan 95 16:29:49 -0600
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <9501232229.AA09834@chuck.dallas.sgi.com>
Subject: Photos

Gang,

Got a roll of film and new battery for the 35MM.

Looking at photo of Sierra in Feb issue of WorldRadio in Richard Fisher's QRP column (KI6SN), I have the following question.

What do you want next to a rig to show relative size? Would a bencher paddle do? I'd think that everyone, i.e. QRPers, could relate to that as a standard to compare to.

I'm about to do this within the next 24 hrs and convert photos to .gif files and ftp them to whoever has the room. Details to be posted when it's done. These will be in full color.

Anyone an expert on color let me know what to watch out for. Trying natural light, dual flourescent, and incandascnt to experiment with 100 and 200ASA film. All this to home in on one common way of doing for later postings.

I'm restricting myself to one photo per rig (and this is going to be enough as it is), so we won't have all the PC board layout, parts, etc. shown in all the detail that some would like, but hey, it's free. :-)
Except for my valuable time.

Don't start a thread on the mailer with this. It isn't necessary for everyone to get involved in this K5F0 project. :-)

AB4EL, you got the room for these? Who else?

dit dit

Oh, back to WorldRadio. I think, INMHO, that the photo of the Sierra would be difficult for someone who doesn't own one or hasn't seen one to get a real good feel of how small the rig really is.

dit dit agn :-)

see it's not part of my signature file.

Chuck Adams K5F0 CP-60 adams@sgi.com

From owner-qrp-1@netcom.com Tue Jan 24 00:17:38 1995
From: NYOUNG@nova.wright.edu
Date: Mon, 23 Jan 1995 19:26:17 -0400 (EDT)
Subject: PMs, Argos and a bunch of irrelevant stuff
Message-Id: <01HM73I9ZCKK8WWVVX@nova.wright.edu>

Has anyone noticed how we've all started collecting these old (yeah, right, like 20 years ago is old, right?) radios that we all got into QRP with? It's like some kind of

collection or hoarding or something. I have three Duesenbergs and you have to Stutz Bearcats. Like that. But it's with PM1s and 2s and stuff. And just today one of the guys at work came in with the 50th anniversary issue of _CQ_ and there in the middle of the pages of reminiscences was a copy of the advert for the PM-whatever. And an SB-100. Remember them? Tubes, man. Tubes. It was really kinda weird.

I found myself thinking back to those days when the PM-whatever it was sat on my desk by the window in the barracks with the antenna strung out the window. And the DX60B that I had for QRO-style macho DX. Funny thing was, it was me what was DX. Sitting in that room, three stories up, I could look out at the cordillera that runs through the middle of Puerto Rico like the back bone of a lizard and watch the thunderheads roll in. When they got close enough to hear the thunder, I'd unplug the works and go out and sit on the patio behind the barracks. I've still got the ticket too. WP4DKA. Room 20, Barracks 760, Ramey AFB, PR. And my Dad printed my QSLs on his 12x18 Chandler & Price Handfed. One 3-1/5x6 at a time. Five hundred of 'em, printed in two colors with a Navy eagle/shield logo on the sides. He bought that cut special from a Kelsey catalog. I still have the cut too. It's out in the garage with his 12x18. Man, memories, you know?

And now, after damn near 25 years of shocking myself (I never told of how I tried to adjust the position of a parasitic choke on the Eico 753 while it was powered up and I hand the keying line in my left hand, did I?) and playing with radios, the stuff I started out with is getting to be appreciated like antique cars and post card collections. It's been a long trip. Too bad I didn't hang on to all that stuff. I could have pack-ratted it all, just like Dad did with every Popular Mechanics magazine he ever got between 1957 and about 1968. Or Mom's collection of every letter I ever wrote from wherever I put my sailor's foot.

It's too much. Too much. Memories like little transistors lined up on veroboard or stretched between screws in a plank of pine. Tubes glowing in the back of the transmitter.

Hmmm.....

73

Nils

WB8IJN &c

From owner-qrp-1@netcom.com Mon Jan 23 01:48:01 1995

Date: Sun, 22 Jan 1995 21:39:30 +0001 (EST)

From: howie cahn <wb2cpu@world.std.com>

Subject: QRP and Contests -- Thanks!!

Message-Id: <Pine.3.89.9501222132.B2461-01000000@world.std.com>

Hi all --

I'd like to thank the 20+ of you who responded to my request for opinions about qrp contesting. I'll try to get back to those who asked specific questions individually. The results were pretty positive in favor of contesting; more than half of the responses were moderately to strongly enthusiastic about them. Among the things people liked about contests were: the competitiveness, the chance to try out new equipment, being able to pick up new states/countries, etc. There were three comments strongly against mainstream (i.e., non-qrp only) contests. These mentioned what was seen as rudeness of contest ops, particularly their unwillingness to slow down in cw contests, and, the QRM generated on the bands.

On more question. I couldn't think of anything other than 'QRPers' to describe us. Anyone got a better term?

Thanks again.

72/73... howie
wb2cpu@world.std.com

From owner-qrp-l@netcom.com Mon Jan 23 03:23:03 1995
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: QRP Quarterly problems?
Date: Sun, 22 Jan 95 23:23:19 EST5EDT
Message-Id: <1995Jan22.232319.15600@wb3ffv.ampr.org>

Subscription problems with the QRP Quarterly continue to be heard from time to time. If you have problems with your subscription, such as missing issues, the current point of contact is Mike Bryce, WB8VGE, who is the PR person and also membership chairman for the QRP ARCI (taker of money and keeper of the lists). His callbook address is good for quite a ways back, and you can also find it in any issue of 73 magazine which has a QRP column in it--he writes that. Or you can try e-mail, at least until he sends me a nastygram telling me to stop giving out his address :-)) and that is 73357.222@compuserve.com.

73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-l@netcom.com Mon Jan 23 23:55:04 1995
Message-Id: <9501232137.AB25040@romulus.cray.com>
Date: Mon, 23 Jan 1995 16:35:19 -0600

From: acl@romulus.cray.com (Archie Lamb)
Subject: QRP With Tubes: Reprise (Loooong)

>Return-Path: <owner-qrp-1@netcom.com>
>From: jeffrey@math.hawaii.edu
>Date: Fri, 20 Jan 95 14:58:25 HST
>To: qrp-1@netcom.com
>Subject: QRP With Tubes: Reprise (Loooong)
>Sender: owner-qrp-1@netcom.com
>Precedence: list

>
>

>It seems there's a subgroup within our group who have a strong interest
>in building with tubes. This is wonderful! 1 or 2 tube QRP radios
>surely can't be called 'boatanchors', though; we'll have to call them
>rowboat anchors or canoe anchors.

>

>Here's a summary of what I've received so far; sorry for its length
>but this will make up for all those ``I worked the fox!'' messages...

>

>Jeff NH6IL

>-----
<snip>

Just a general comment guys....

It's been a few years since I was directly involved but I did some work with
ITDs - Integrated Thermionic Devices. (substrate mounted multiple vacuum
tube arrays with a single heater - if required) A vacuum tube by any other
name....

Don't be too surprised if tubes make it back some day!

Archie - KX5X

From owner-qrp-1@netcom.com Mon Jan 23 10:15:57 1995
From: dsibie@hvsag01.att.com (D R Sibie +1 35 87 2854)
Date: Mon, 23 Jan 95 12:58:52 +0100
Message-Id: <9501231158.AA12164@hvsag01>
Subject: Removing lacquer from thin wire by using aspirin

Hi gang,

Some time ago a discussion was held about the best way to remove green and/or
red lacquer from a piece of wire. I would like to share something I
discovered last weekend about this: use an aspirin tablet!
Not to cure headache, but for removing the lacquer.

When trying to solder the cable of my daughters headset to a new connector
I constantly ruined the very thin strands of wire, each separately isolated

from each other by green or red lacquer. When using a knife the strands broke. Using sandpaper did not work. The suggested chemical components are not available here in The Netherlands (and certainly not on Sunday). I remembered the old aspirin trick: put the end of the wire on an aspirin tablet, place the soldering iron on it and heat thoroughly. The aspirin starts melting and gives off lots of fumes (I hope harmless). Take away the soldering iron and loo and behold: the lacquer is off and the wire can be tinned. When you first tin the soldering iron the wire is already tinned when the heating is done. It really works marvelous!

I suppose the aspirin cannot be used for headache afterwards. Well, you have to sacrifice something.

71.8 de PA3GNR, Dirk Sibie (HW-8 not yet operational)
AT&T-NS-NL
Hilversum
The Netherlands

From owner-qrp-l@netcom.com Tue Jan 24 00:32:28 1995
From: dwebster@netcom.com (Dennis Webster)
Message-Id: <199501240126.RAA10496@netcom15.netcom.com>
Subject: SOCAL MEETING
Date: Mon, 23 Jan 1995 17:26:14 -0800 (PST)

I've read several posts regarding a Southern California QRP meeting after the TRW swapmeet. Being the swapmeet is next Saturday, I was wondering if a meeting place has been planned, or just wishfull thinking. If a meeting is going to happen I'd appreciate any information you have.

72,
Dennis
--

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-----
|Dennis Webster WJ6H/QRP          * LESS IS MORE! *|
|dwebster@netcom.com              |
|-----|
```

From owner-qrp-l@netcom.com Mon Jan 23 14:44:42 1995
Message-Id: <199501231642.KAA10662@ns1.arlut.utexas.edu>
Date: 23 Jan 1995 10:38:20 U
From: "rohre" <rohre@msmailgw1.arlut.utexas.edu>
Subject: RE: Ten Tec Argo 556

Richard,
The 556 is just the 555 sans the heat sinked final on the back panel. For about the same money, if resale value is a point to you, you can buy the 555 and use the power control pot on it to turn it down to 5 watts. That way, you

could sell it someday in any QRO or QRP community. If you like milliwatting, it looks to me like one could add a switch on the back say, to disconnect the power to the final amp stage and bring out the RF to a connector so milliwatting could be set up. I must confess, I have not gone below the SSB QRP levels, as the challenge to me is to work SSB QRP against the rest of the QRO crowd, and blow them away when I do (often) get a good signal report; then telling them of my QRP power levels. All other features are the same for both rigs and they have the same manual. The schematics were not very good xerox copies in mine, was the only real complaint I had. One other thing was I was expecting more from the noise blanker circuit; but it evidently was designed specifically to work on auto engine static, (ignition), and does not do anything for most other noise on the higher HF bands 20 and up that I prefer. The filter is quite good. The receiver is very sensitive. They provide a stereo phone jack, but I reccommend using communication phones, for good stereo phones will pick up a little of the computer hash from the microprocessor that runs the frequency management system and the keyer, (full QSK!) The keyer is fun, but defintely is weighted for 10 wpm and up. It defaults each time you power on to 25 wpm! I think this rig is good for me, for it will surely make me get my code up to Extra Class speed! When keying at top speeds, you do have to let up and let the micro correct the frequency, every once in a while as the VFO is permeability (Coil) tuned. That coil tuning is what the knob is doing, so it is firm feeling and stable for mobile use; you do not "spin" it; but I quickly got used to it, and it is OK for the purpose. Probably would stay on frequency if you literally "backpacked" with it transmitting!

I have had a lot of fun with the rig at home to an all band Gap Titan vertical. Even worked a DX contest, and got both Europe and Japan.

There has not been time to take it to the field, but that would be easy, and mobile as well. The key and keyer jacks are 1/8 inch type, so one has to have the small plug, but they provide one. Generally, if the other station I am hearing has a strong signal, I can work him. Also, even when my signal strength is close to the band noise, I get "penetrating audio" reports, so it sounds good at the other end to my contacts on SSB. I use an old Astatic bullet mike or a D104, and am not sure which is better. Even though there is not specifically a speech processor, they are shaping the audio well. I have modules for all bands but 30 and 160, and they have held up well to much band changing with our variable sunspots these days!

I am a satisfied user, and basically I prefer a rig like this that all you have to do is turn it on and key or talk! The only thing is you can't work split, like chasing DX on 40 SSB; but with a second receiver, that is really no problem. I have worked another Scout on the air on dying band, and it does sound good. BTW, I do not own stock in Ten Tec! 73/72,
Stuart K5KVH
rohre@arlut.utexas.edu

To: qrp

>From: Richard Kendrick on Sat, Jan 21, 1995 3:23
 Subject: Ten Tec Argo 556
 RFC Header:Received: by msmailgw1.arlut.utexas.edu with SMTP;21 Jan 1995
 03:23:39 U
 Received: from mail3.netcom.com (root@mail3.netcom.com [192.100.81.127]) by
 ns1.arlut.utexas.edu (8.6.9/8.6.9) with ESMTP id DAA20696 for
 <rohre@arlut.utexas.edu>; Sat, 21 Jan 1995 03:23:08 -0600
 Received: by mail3.netcom.com (8.6.9/Netcom)
 id VAA06810; Fri, 20 Jan 1995 21:22:30 -0800
 Received: from taz.ramp.com by mail3.netcom.com (8.6.9/Netcom)
 id VAA06741; Fri, 20 Jan 1995 21:22:13 -0800
 Received: (from rrk@localhost) by taz.ramp.com (8.6.9/8.6.6) id FAA01512; Sat,
 21 Jan 1995 05:16:40 GMT
 Date: Fri, 20 Jan 1995 22:16:40 -0700 (MST)
 >From: Richard Kendrick <rrk@ramp.com>
 Subject: Ten Tec Argo 556
 To: qrp <qrp-l@netcom.com>
 Message-ID: <Pine.3.89.9501202200.A1040-0100000@taz.ramp.com>
 MIME-Version: 1.0
 Content-Type: TEXT/PLAIN; charset=US-ASCII
 Sender: owner-qrp-l@netcom.com
 Precedence: list

Does anybody have any experience with the Argo 556, the little brother of
 the Scout? I received my QST today and saw the full page advertisement
 (I'd seen it before and blew it off) and this time my eye caught the
 header "Attention QRP Enthusiasts". Well, the price and size looks real
 attractive to me; a nice tiny all band rig just right for qrp. What are
 your experiences with this rig?

Richard Kendrick CET WA7TWI		
Amateur Radio Extra Class		Do not adjust your mind, there is
QRP #4129/G-QRP #8591/MI-QRP #M-1412		a fault in reality.
Phoenix, AZ	email: rrk@ramp.com	

From owner-qrp-l@netcom.com Tue Jan 24 00:58:02 1995
 Date: Mon, 23 Jan 1995 19:46:37 -0330
 Message-Id: <199501232316.TAA01235@public.compusult.nf.ca>
 From: rgobrick@public.compusult.nf.ca (Robert J. Gobrick)
 Subject: Re: Ten Tec Argo 556

Hi Nils,

The only negative about the full size Scout (555) over the Argo (556) is
 that I bet the Scout is just like my old Argosy Digital that lets you switch
 to 5 watts but the transmitter still draws additional current then just a

straight Argonaut since the transmitter is swamped to the lower power.

So it is all right for home use but in the field with a battery excessive power (dc) is lost in the transmitter section. Now if they really made the Scout that switched to 5 watts without loss of transmitter efficiency then there is no contest - the Scout would be the rig to buy.

72 Bob V01DRB/WA6ERB

>Funny thing about the 556 or Argo or whatever they're calling it:
>It's about \$60-\$70 cheaper than the high-power "brother." Now,
>if the advert is right and you can push the QRO box down to 5
>watts (and unless you are dedicated to QRPp), for the extra cash
>you can have a moderate level of just-in-case power. And considering
>that the same band modules work in each unit (if I read the SPRAT
>article on the "Cub" right), I'd just as soon spend the extra
>cash.
>What really croaks my frog is the simple fact that the ARGO 556
>(or whatever) is just what most QRP loonies are looking for. A
>radio that does QRP without paying for a GCR and a bunch of
>push buttons. They (Ten Tec) could've done that up front, seems
>to me.
>Oh well, I ain't the engineer and I sure ain't the sales department
>and I don't have a corporate hierarchy to support and I just like
>to play radios now and then. But I am trying to save. I wanna
>check this out at Dayton. Who knows, maybe I'll get one or the
>other. Depends on who's givin' the best break on the price. (And
>I don't expect much with a starting price of nearly \$500. And
>comparing that to the QRP-1, I'd have to see 'em both first....
>although my attitude is to go with the TT rig... And... aren't
>these little ratiocinations beginning to sound like the Edgar
>Allan Poe look-alike contest? "I'd give up the drugs but it helps
>me write poetry." "This ain't hurtin' nobody. I just teach. It's
>rough getting them involved in the text." [Ooooh, that last one
>sounds like Derrida. "As Derrida so clearly states..."])
>73
>Nils
>WB8IJN &c
>

From owner-qrp-1@netcom.com Mon Jan 23 22:14:25 1995
Date: Mon, 23 Jan 1995 16:12:23 -0800
Message-Id: <199501240012.QAA11760@ix3.ix.netcom.com>
From: mjsilva@ix.netcom.com (michael silva)
Subject: Thanks for 2SC799 help

Thanks to everyone who helped me get a better idea what these

transistors are. I got specs along with a warning to double-check the pinouts, so I'm all set.

73,
Mike, KK6GM

From owner-qrp-1@netcom.com Mon Jan 23 15:36:23 1995
Date: Mon, 23 Jan 1995 13:14:48 -0500 (EST)
From: prvalko <prvalko@vela.acs.oakland.edu>
Subject: This Weeks SSB Fox... ME!
Message-Id: <Pine.3.89.9501231306.A25593-0100000@saturn.acs.oakland.edu>

It finally had to happen... Look for the BIG voice of Oakland Township, Michigan - this WEDNESDAY Evening starting at 9pm EST.

9pm - 9:30pm 7.225 - 7.230
9:31 - 10 pm 7.210 - 7.220
10pm - 10:30pm 3.780 - 3.788
10:30 - 11 pm 3.905 - 3.910

My call - WB8ZJL Paul Valko
3123 Cairncross Drive
Oakland, MI 48363

Running a Ten*Tec Argonaut 515, about 3 watts output to a full wave 40M dipole up 45 feet, ladder line (of course!).

QSL available 100% to my address - SWLs encouraged to QSL also!

At 11pm EST I'll drop back down to 40M on 7.228 +/- QRM with full power to see if anyone wants to chat/experiment.

73 es BCNU =paul= wb8zjl

From owner-qrp-1@netcom.com Tue Jan 24 00:55:39 1995
Message-Id: <199501232348.RAA21568@ns1.arlut.utexas.edu>
Date: 23 Jan 1995 17:46:34 U
From: "rohre" <rohre@msmailgw1.arlut.utexas.edu>
Subject: Using Counters as Rig Displays

Rob,
This is a good question, for I have been interested in doing it for a number of analog dial rigs I have.

What I have learned so far is that one has to offset the frequency read from the rigs' local oscillator by the amount of the IF, etc. to get the true frequency readout of what you are listening to, or transmitting.

The Howes kits offer such a box that make it possible to do this, and this kit is a counter and the necessary offset circuitry apparently, to work with rigs that either add the IF to the oscillator, or subtract the IF from the oscillator. What I am also unsure of, if the rig is for example, one which subtracts to get 80 meters and adds for 20 meters, like some that have 9 Mhz IF, and 5 Mhz oscillator, do you have to wire up more circuitry to keep track of this? My interpretation of the Howes kit is that it offers a number of switch positions, so you can select additive or subtractive or some other needed correction depending on the rig with which it is used. You would have to do the same bit of logic for using the Frequency Counter as your display.

The short answer to your question is yes, it can be done in general. You will need to know the specific way(s) the Century rig gets the frequency for each band to see how much more must be done ahead of the counter. Ideally, you could put it on a board to add to the counter, and use its power, and still retain the front panel inputs for Frequency Counter work, and bring the rig signals in the back. A switch there would select counter mode, or display mode.

How about an experienced Century owner out there enlightening us on its frequency offsets? And have any of you been down this road? And are there any owners of the Howes readout kit out there that could give an opinion on that method? Thanks in advance for any experiences you share.

73/72,

Stuart K5KVH

rohre@arlut.utexas.edu

From owner-qrp-1@netcom.com Mon Jan 23 21:43:42 1995

Date: Mon, 23 Jan 1995 16:04:19 -0500 (EST)

From: James Lyons <jlyons@CAM.ORG>

Subject: Re: Where is this HamCalc at??

Message-Id: <Pine.SOL.3.91.950123160233.13971A-100000@stratus>

Yes it is at oak.oakland.edu, in /pub/hamradio/.... I forget which precise directory.

Jim, VE2KN

On Sun, 22 Jan 1995 RAINS@NKU.EDU wrote:

>

>

> Hello all, name here is Justin. I was just wondering where HamCalc is

> at? I wrote something down about oak.oakland.edu, and I looked there and didn't
> find anything. I would like to see this program, as it seems to be the hot
> topic right now.
>
> Thanks & 73 de AA9KM
> Justin
> rains@nku.edu
>
>
>